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## WHAT IS CLAIMED IS:

- 1. A method of treating a cellular proliferative disease, comprising administering to a mammalian host a pharmaceutical composition comprising:
  - (a) a therapeutically effective amount of liposomal vinorelbine also comprising cardiolipin, and
  - (b) a pharmaceutically acceptable excipient.
- 2. The method of claim 1, wherein the liposomal vinorelbine has an encapsulation efficiency of at least about 80%.
- 3. The method of claim 1, wherein the liposomal vinorelbine further includes  $\alpha$ -tocopherol.
  - 4. The method of claim 1, wherein said mammalian host is a human.
  - 5. The method of claim 1, wherein said cardiolipin is selected from the group consisting of natural cardiolipin and synthetic cardiolipin.
    - 6. The method of claim 1, wherein said liposome bears a negative charge.
    - 7. The method of claim 1, wherein said liposome bears a positive charge.
    - 8. The method of claim 1, wherein said liposome is neutral.
  - 9. The method of claim 1, wherein at least a portion of said vinorelbine is complexed with cardiolipin.
  - 10. The method of claim 1, wherein said liposomes are a mixture of multilamellar vesicles and unilamellar vesicles.
  - 11. The method of claim 1, wherein said pharmaceutical composition further comprises one or more therapeutic agents other than vinorelbine.
  - 12. The method of claim 11, wherein one or more of said agents is an antineoplastic, antifungal, or antibiotic agent.
- 25 13. A therapeutic composition comprising liposomal vinorelbine comprising a first liposome forming material comprising cardiolipin and a second liposome forming material.
  - 14. The composition of claim 13, wherein the liposomal vinorelbine has an encapsulation efficiency of at least about 80%.
    - 15. The composition of claim 13, which further includes  $\alpha$ -tocopherol.
  - 16. The composition of claim 13, wherein a portion of said cardiolipin is complexed with said vinorelbine.
  - 17. The composition of claim 13, wherein said liposome entrapped vinorelbine comprises vesicles having a diameter of about 5 µm or less.
  - 18. The composition of claim 13, wherein said liposome entrapped vinorelbine comprises vesicles having a diameter of about 1 µm or less.
    - 19. The composition of claim 13, wherein said liposome entrapped vinorelbine

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comprises vesicles having a diameter of about 0.5 µm or less.

- 20. The composition of claim 13, wherein said liposome entrapped vinorelbine comprises vesicles having a diameter of about 0.1 μm or less.
- 21. The composition of claim 13, wherein said second liposome-forming material is a lipid selected from the group consisting of phosphatidylcholine, cholesterol, α-tocopherol, dipalmitoyl phosphatidylcholine and phosphatidyl serine.
- 22. The composition of any of claims 13, wherein said cardiolipin is selected from the group consisting of natural cardiolipin and synthetic cardiolipin.
- 23. The composition of claim 13, wherein said liposome bears a negative charge.
  - 24. The composition of claim 13, wherein said liposome bears a positive charge.
    - 25. The composition of claim 13, wherein said liposome is neutral.
- 26. The composition of claim 13, wherein said liposome is a mixture of multilamellar vesicles and unilamellar vesicles.
  - 27. The composition of claims 13; wherein said pharmaceutical composition further comprises one or more therapeutic agents other than vinorelbine.
  - 28. The composition of claim 27, wherein one or more of said agents is an antineoplastic, antifungal, or antibiotic agent.
- 29. The composition of claim 13, further comprising one or more pharmaceutically acceptable excipients.
  - 30. The composition of claim 29, wherein one or more of said excipients enhances shelf-life of the composition.
  - 31. The composition of claim 29, wherein one or more of said excipients improves the stability of the composition.
  - 32. The composition of claim 29, wherein one or more of said excipients is a sugar.
  - 33. The composition of claim 32, wherein the sugar is selected from the group consisting of trehalose, maltose, sucrose, glucose, lactose, and dextran.
    - 34. The composition of claim 32 wherein the sugar is trehalose.
    - 35. The composition of claim 32 wherein the sugar is sucrose.
    - 36. The composition of claim 32 wherein the sugar is an aminoglycoside.
    - 37. The composition of claim 36 wherein the aminoglycoside is streptomycin.
    - 38. The composition of claim 36 wherein the aminoglycoside is
- 35 dihydrostreptomycin.
  - 39. The composition of claims 13 in dehydrated form.
  - 40. The composition of claim 39, which is lyophilized.

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- 41. The composition of claim 13, which is stable for up to about 12 months at between about 2 °C and about 8 °C.
- 42. A method for the treatment of mammalian cancer comprising administering a therapeutically effective amount of the composition of claim 13 to a patient in need thereof.
- 43. A method for the treatment of mammalian cancer comprising administering a therapeutically effective amount of the composition of claim 27 to a patient in need thereof.
  - 44. The method of claim 42, wherein the patient is human.
- 10 45. The method of claim 43, wherein the patient is human.